

REPLACEMENT SHEET

FIG. 1

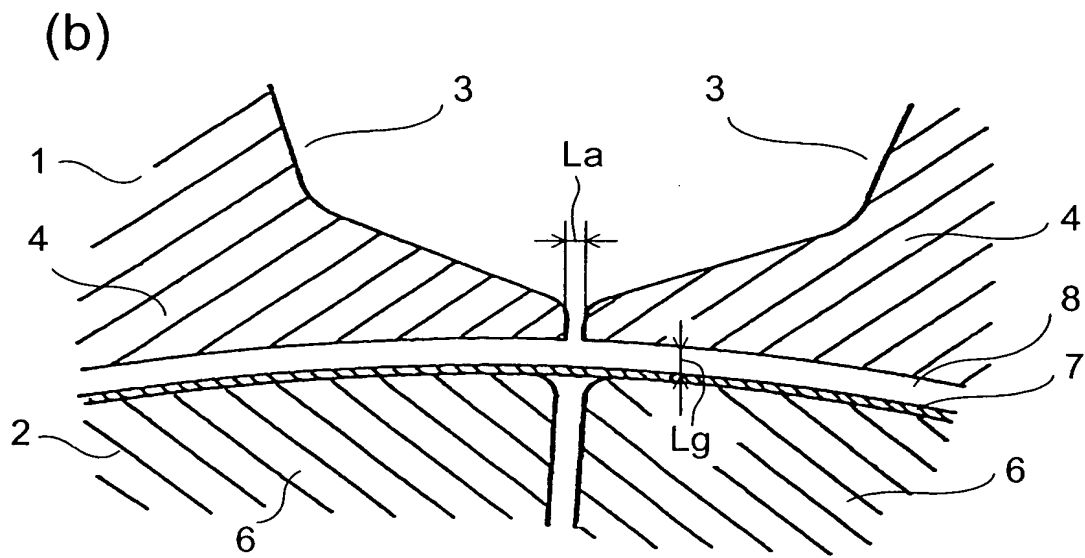
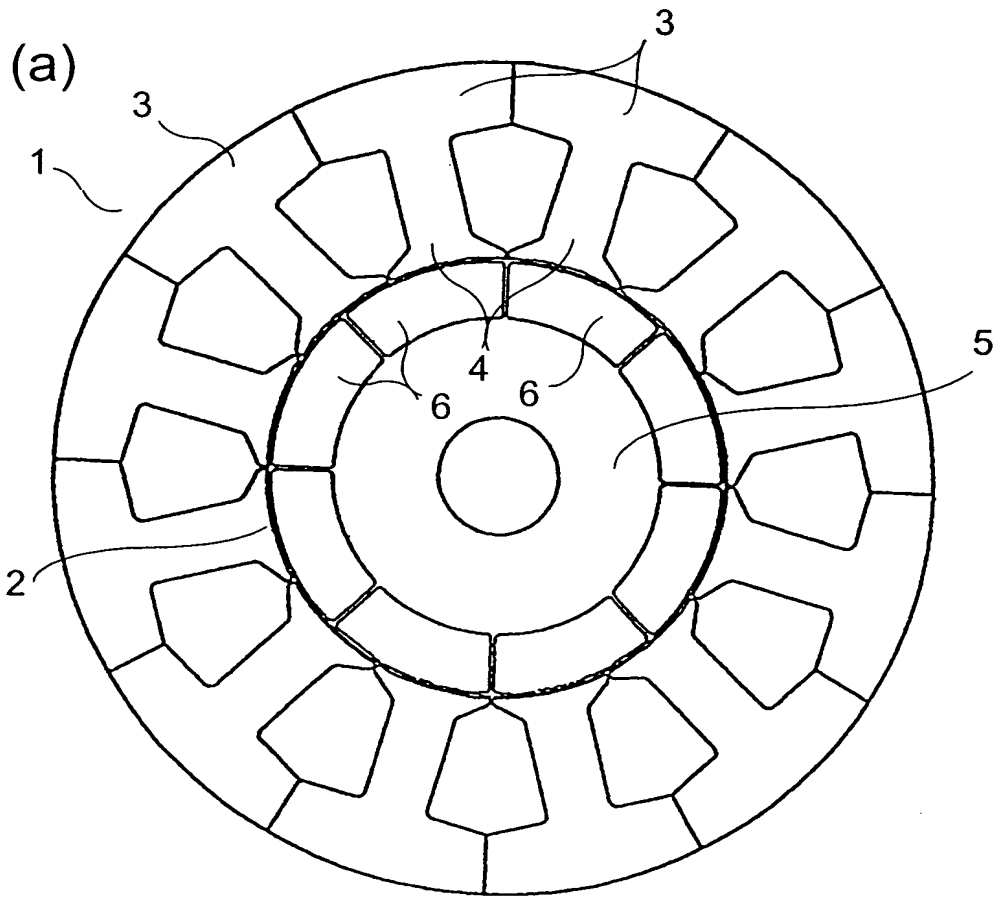
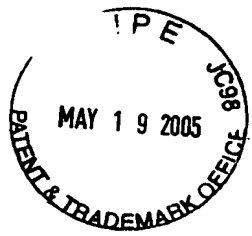




Figure 1 is a line graph showing the relationship between the ratio  $La/Lg$  (X-axis) and the demagnetization rate [%] (Y-axis). The X-axis ranges from 0 to 3, and the Y-axis ranges from 0 to 5. The curve shows an increasing trend. A horizontal double-headed arrow labeled "0.3~2.0" indicates the range of  $La/Lg$  values corresponding to the demagnetization rate range of 0.3% to 2.0%.

$La/Lg$	Demagnetization rate [%]
0.3	0.3
1.0	0.6
1.5	0.9
2.0	1.4
3.0	2.6

A cross-sectional view of a semiconductor device. A central channel region (4) is flanked by gate regions (3). The channel region is defined by a gate oxide layer (2) and a gate electrode (1). The gate electrode is connected to a terminal (8). Dimensions  $L_a$ ,  $L_b$ , and  $L_g$  are indicated.



FIG. 4

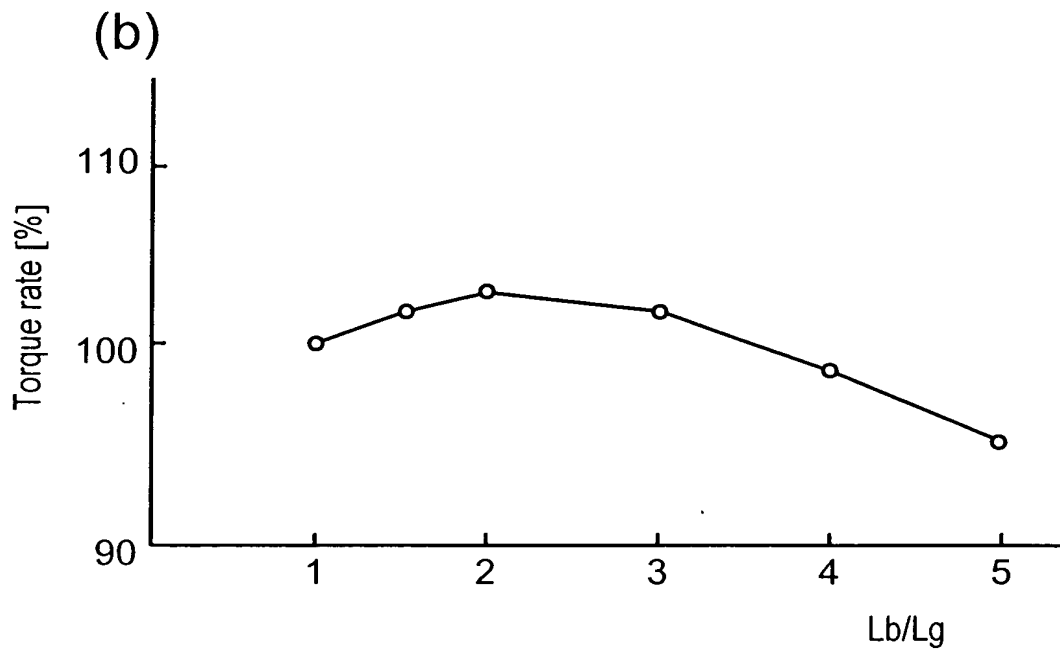
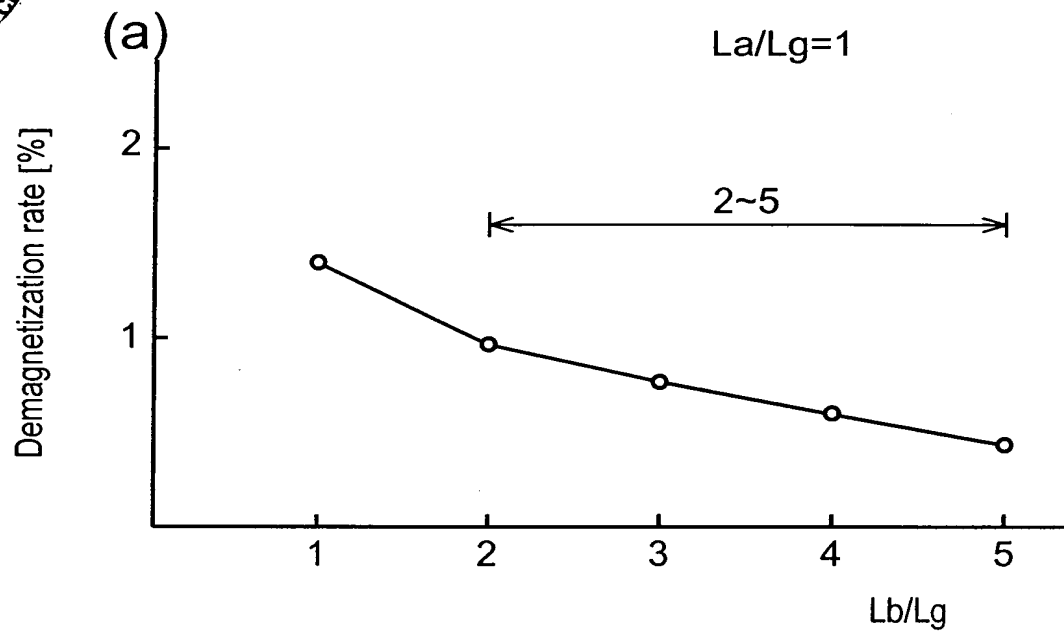




FIG. 5

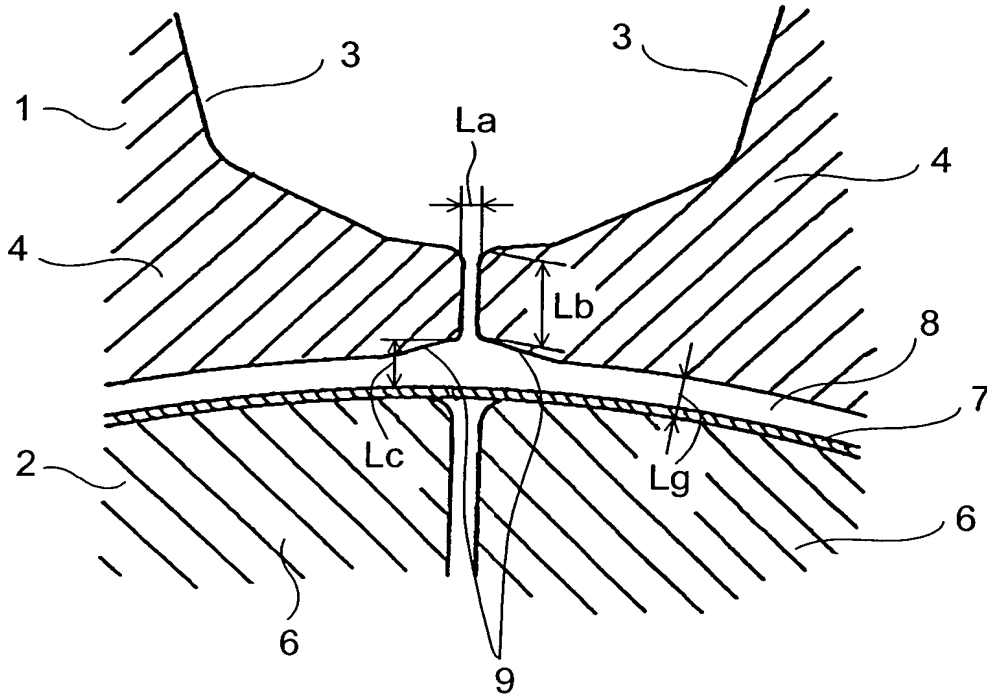




FIG. 6

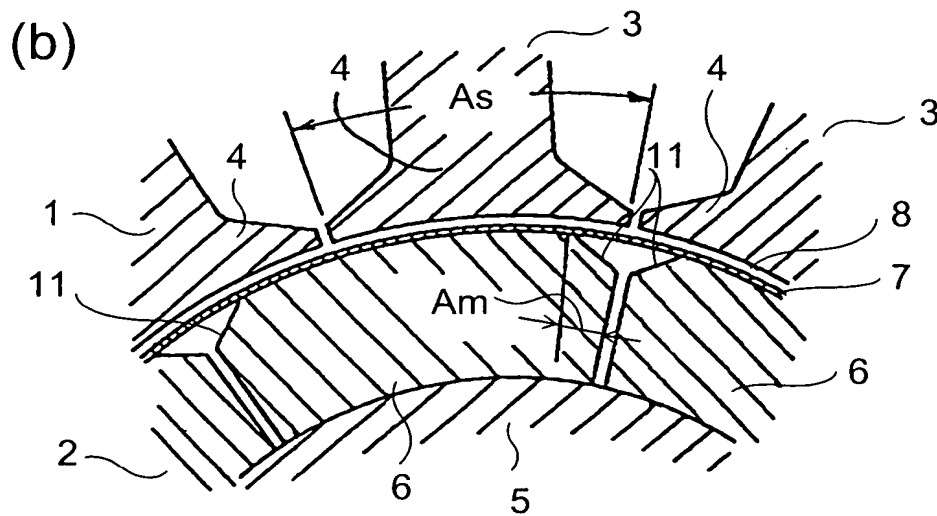
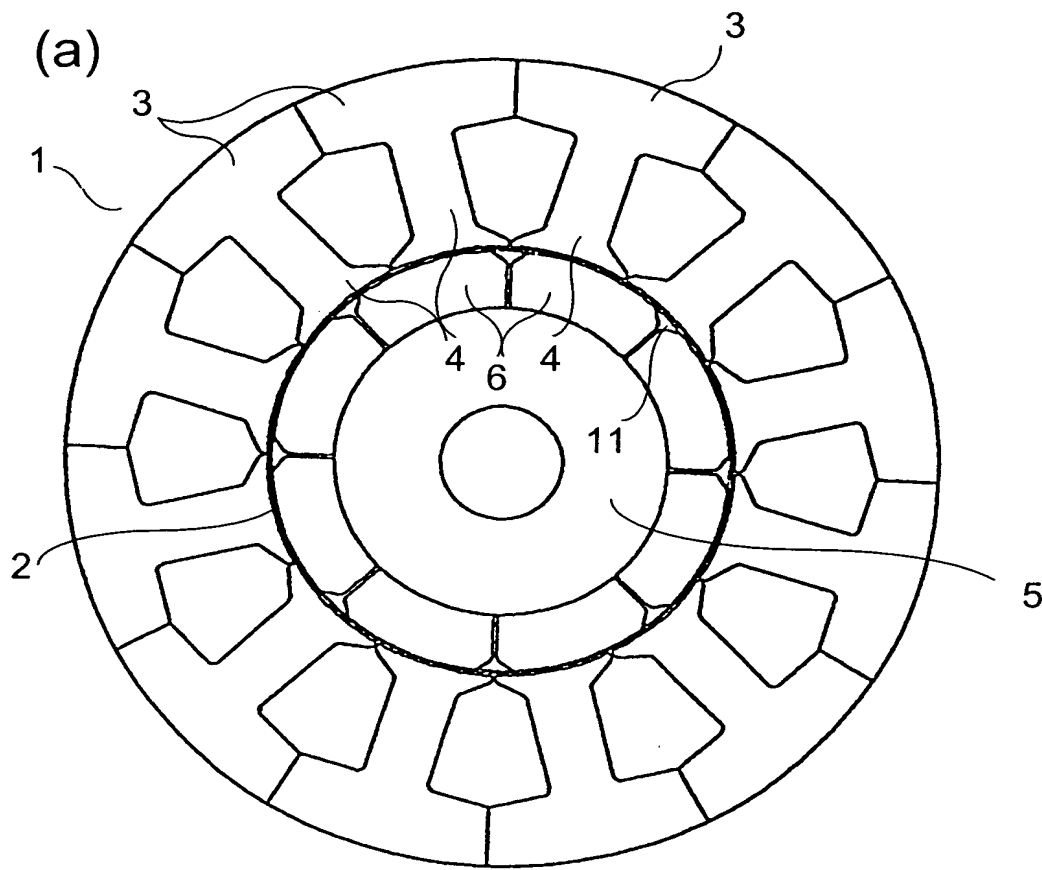




FIG. 7

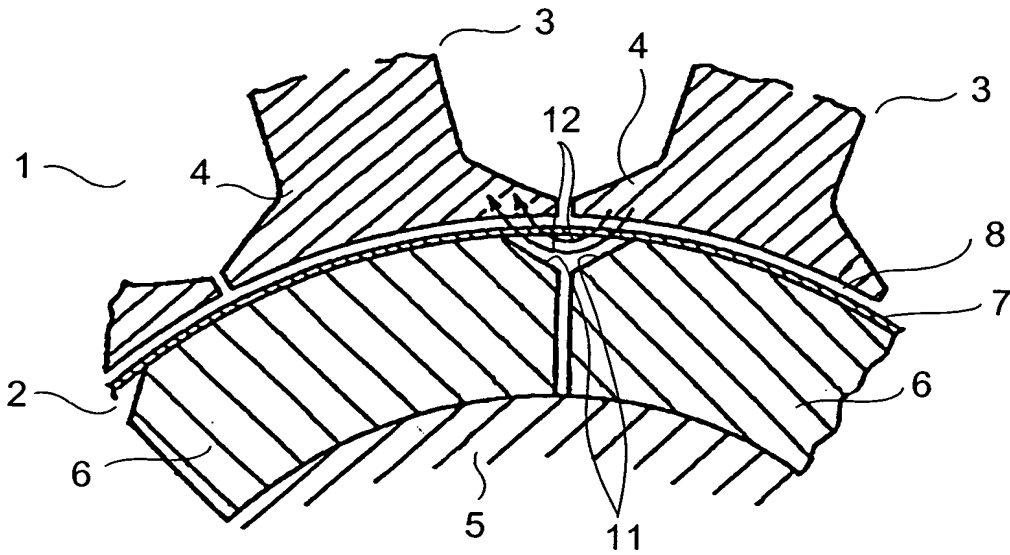


FIG. 8

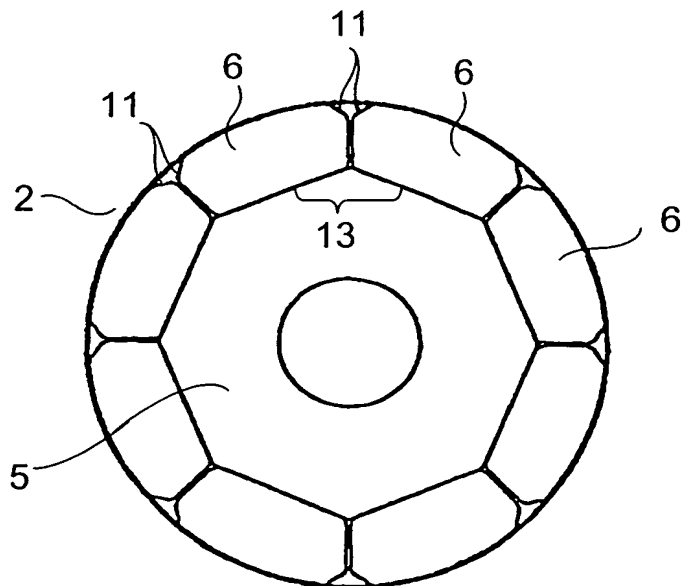




FIG. 9

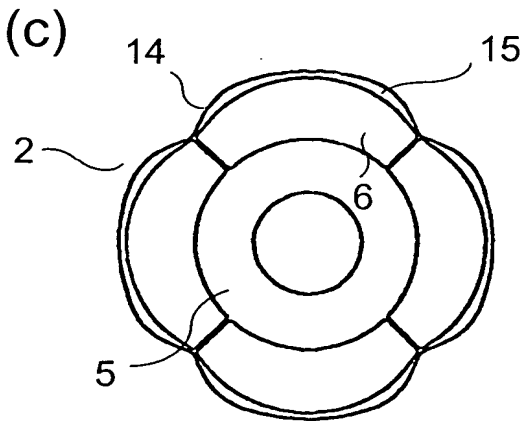
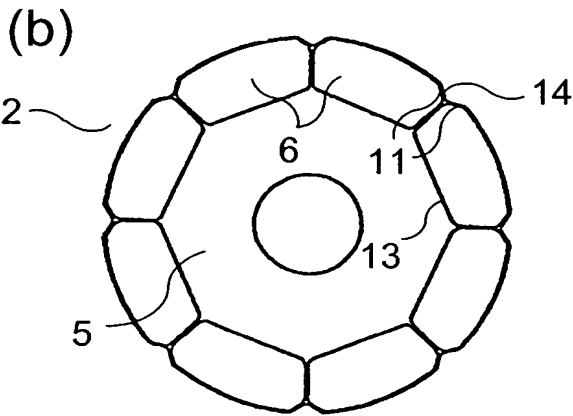
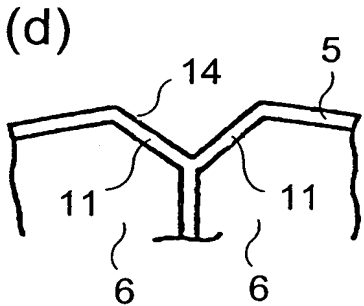
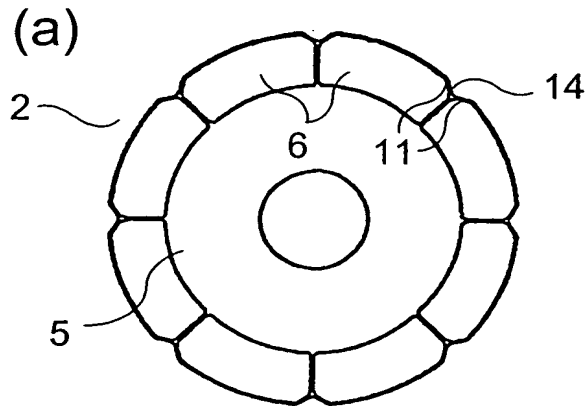


FIG. 10

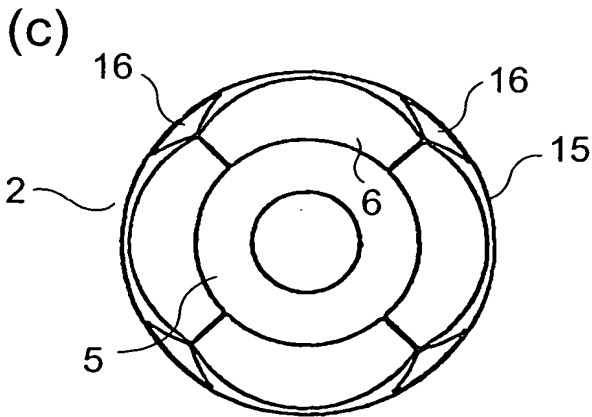
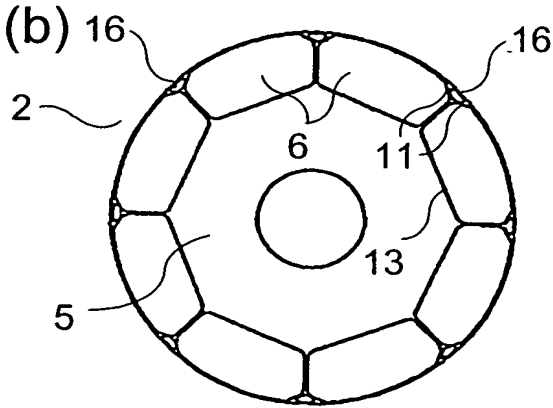
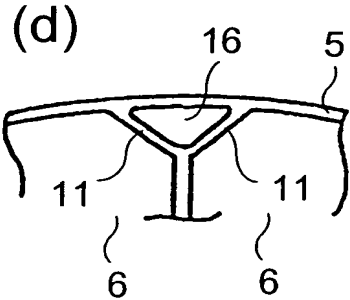
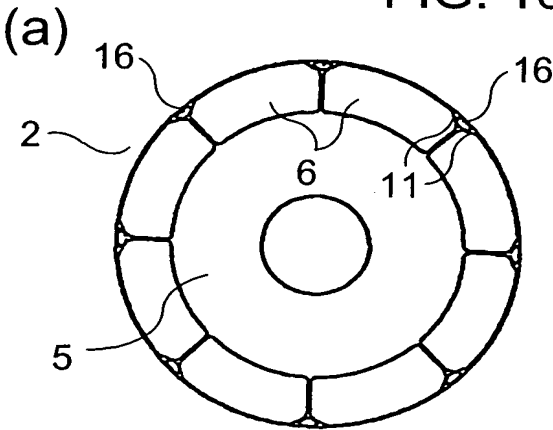






FIG. 11

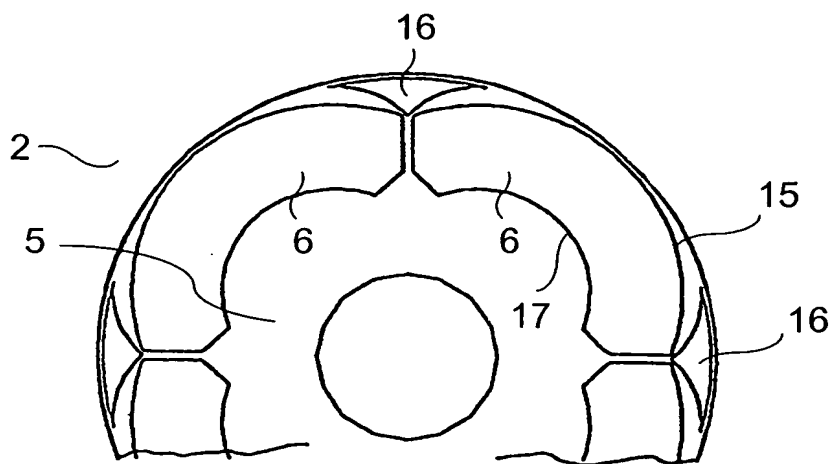


FIG. 12

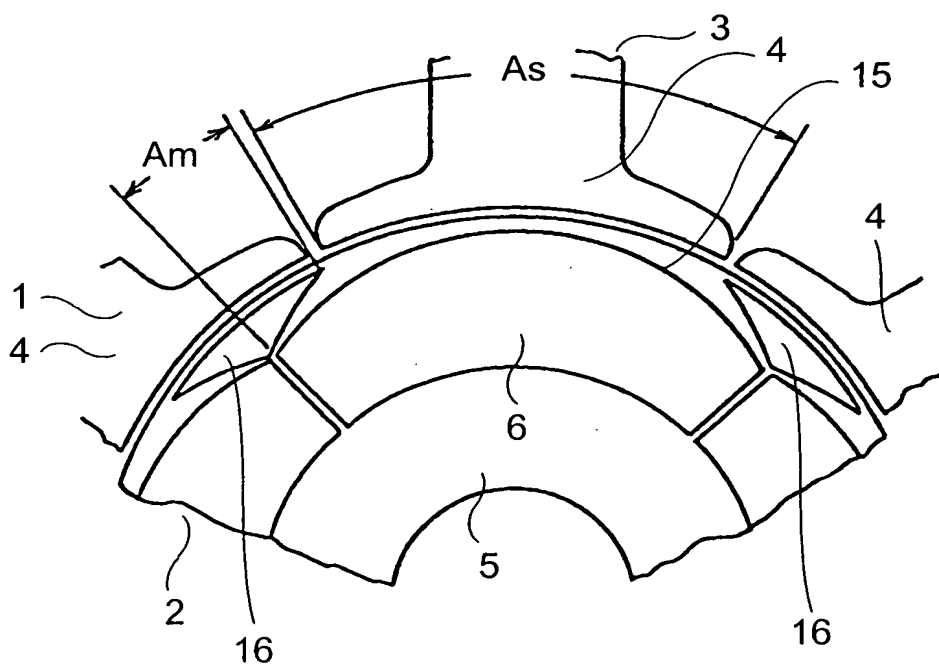




FIG. 13

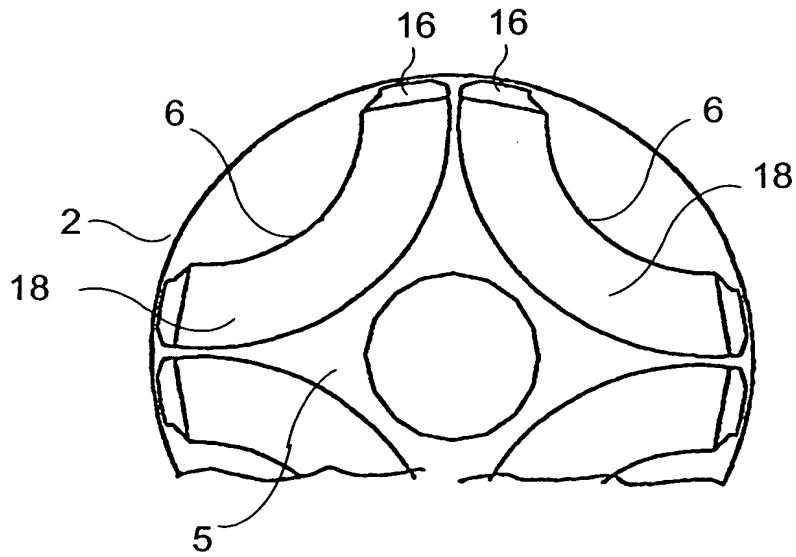


FIG. 14

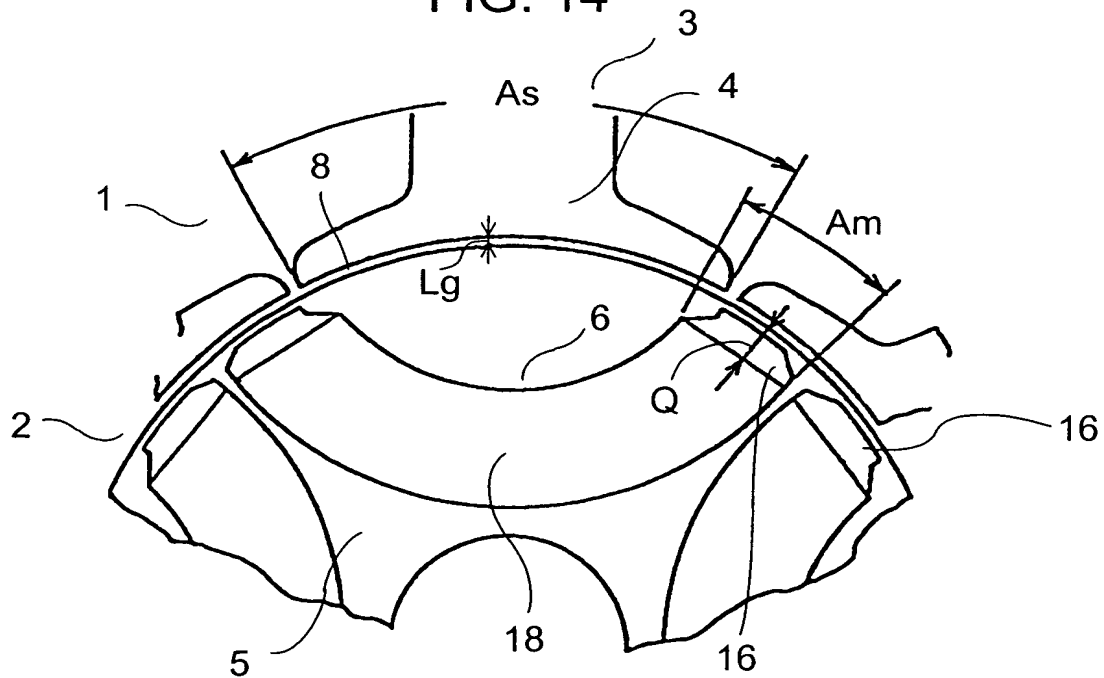




FIG. 15

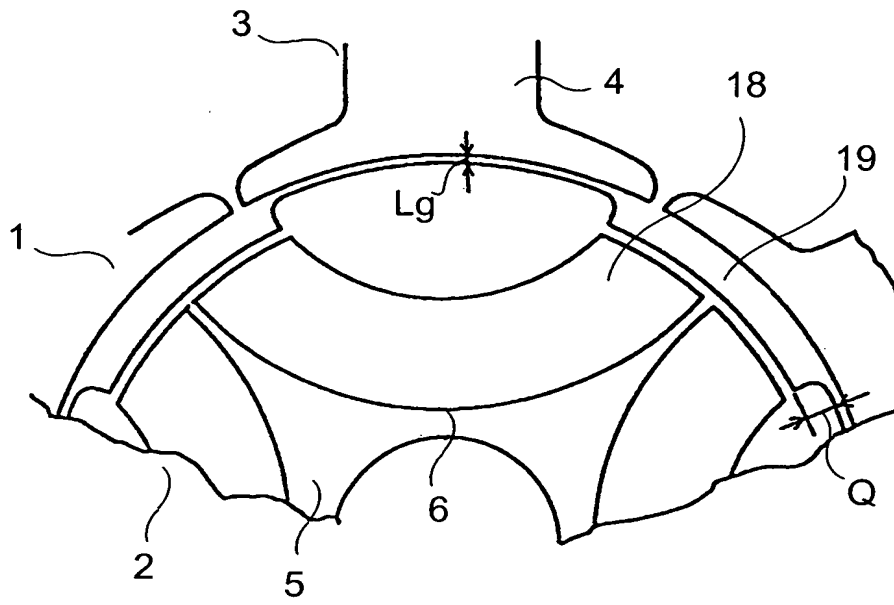
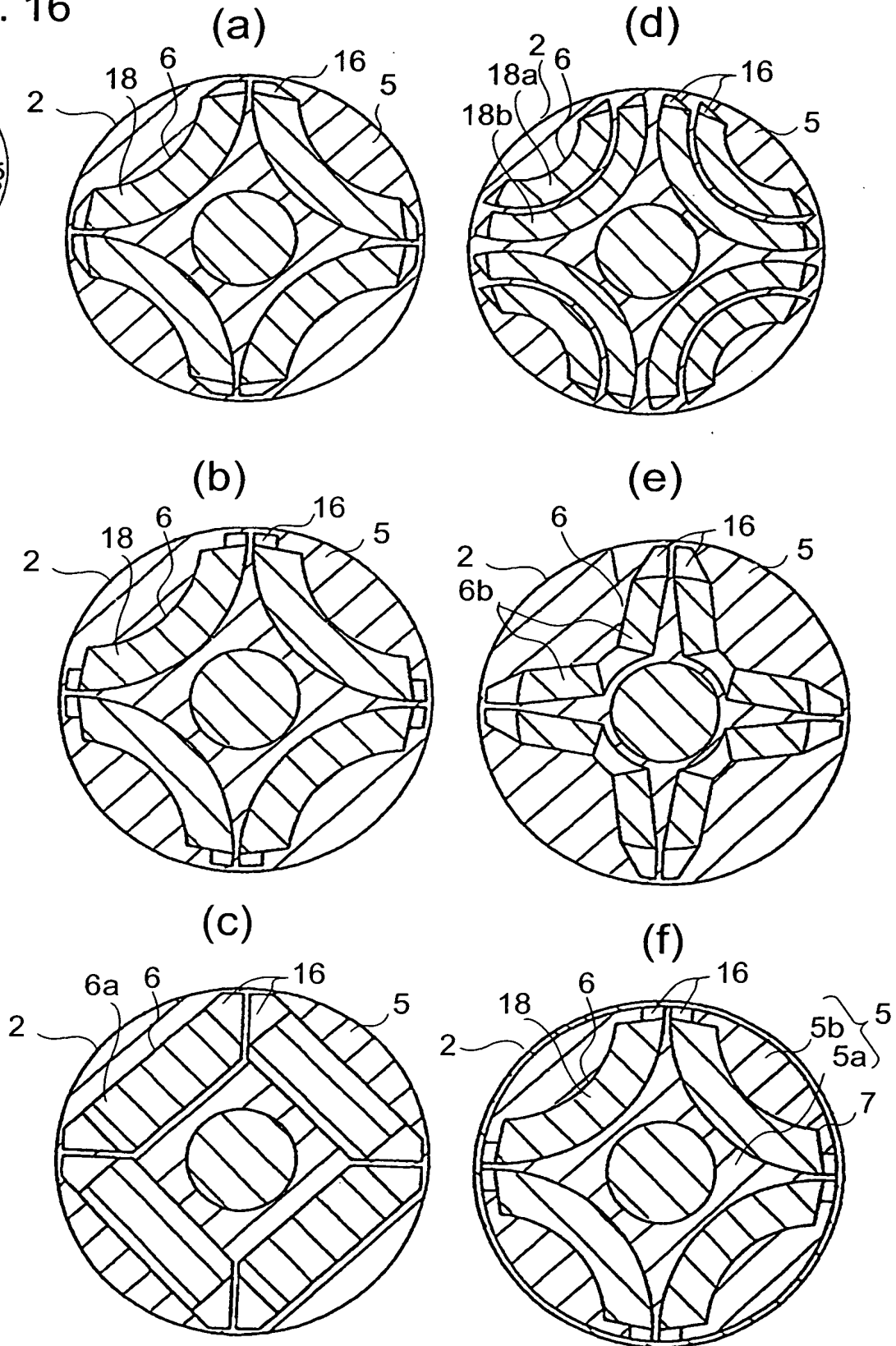
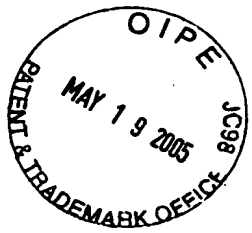


FIG. 16

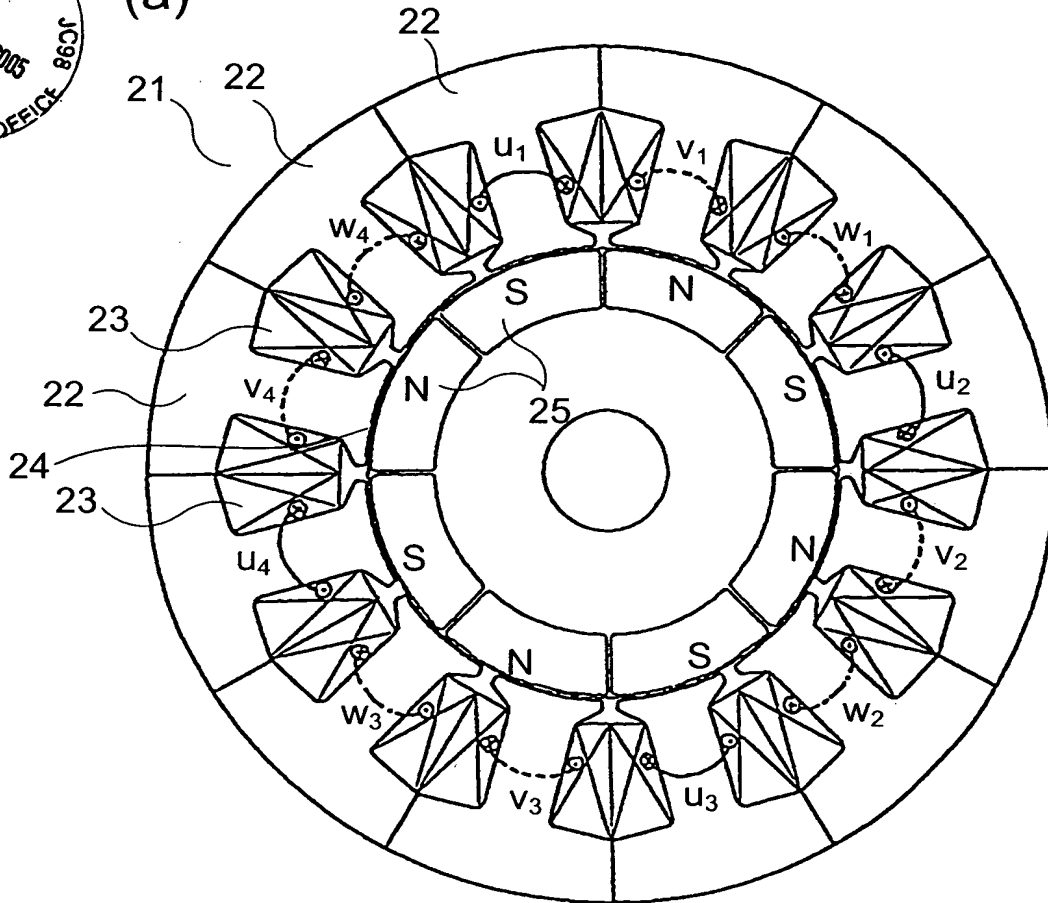




PRIOR ART

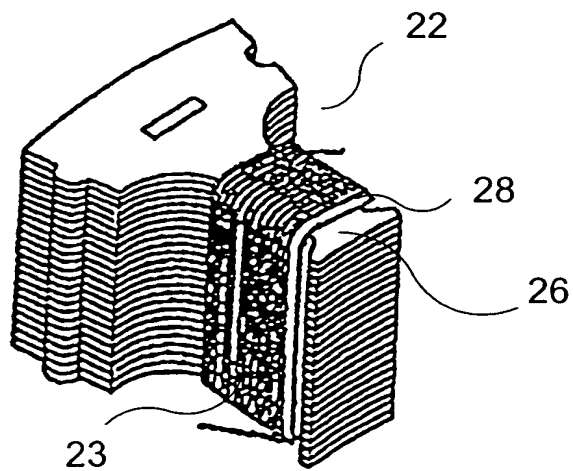
FIG. 17

(a)



PRIOR ART

(b)



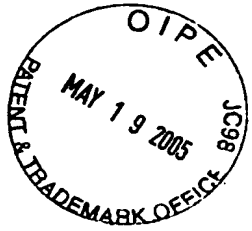


FIG. 18

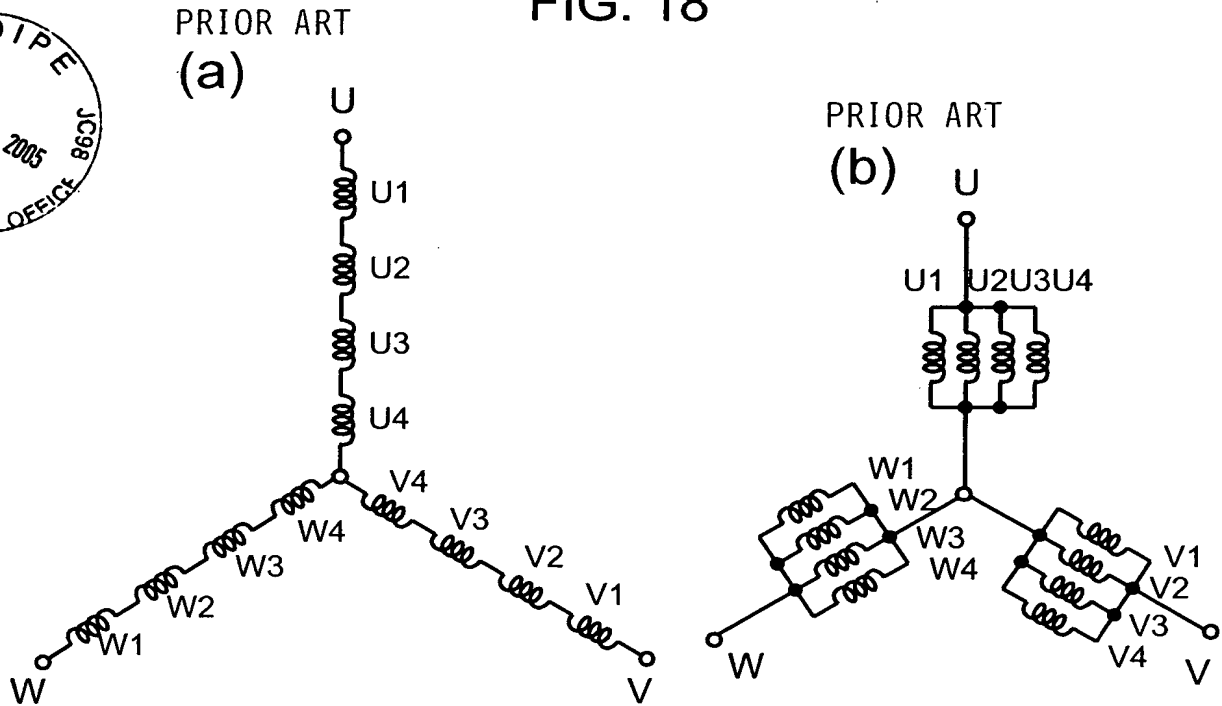
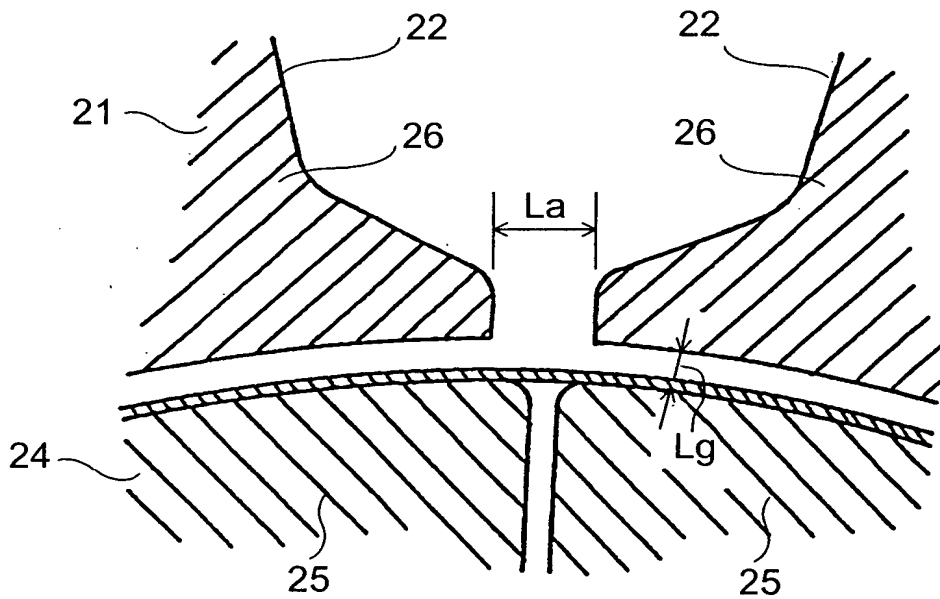


FIG. 19 PRIOR ART

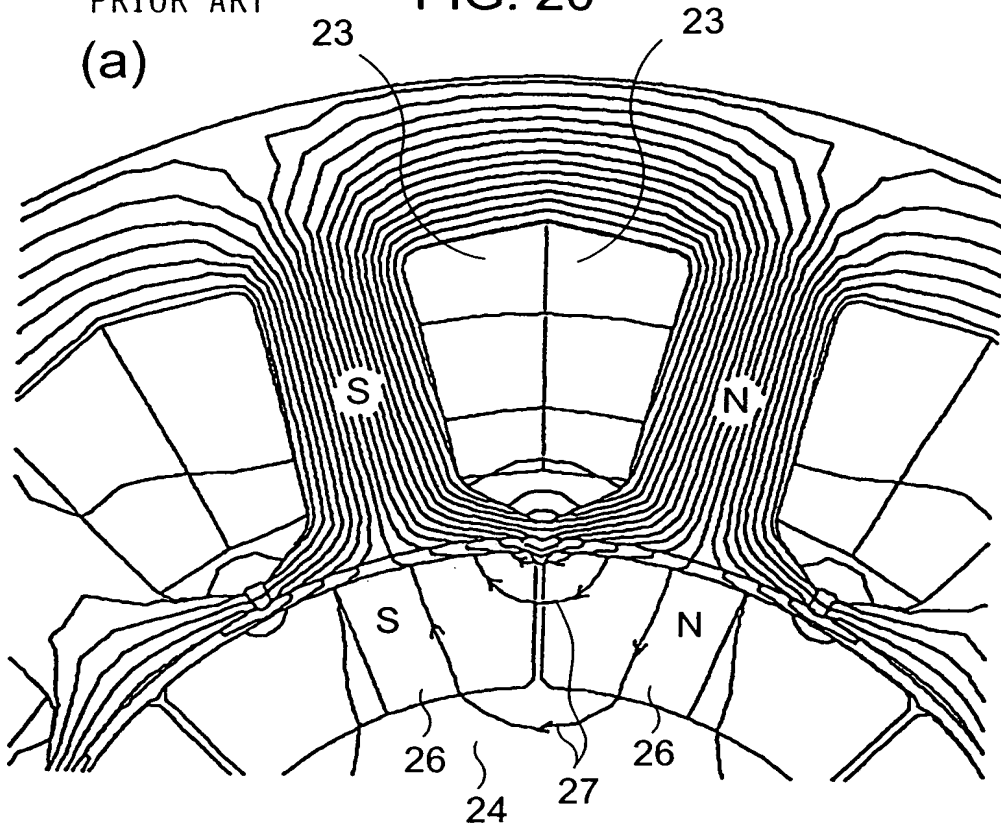




PRIOR ART

(a)

FIG. 20



PRIOR ART

(b)

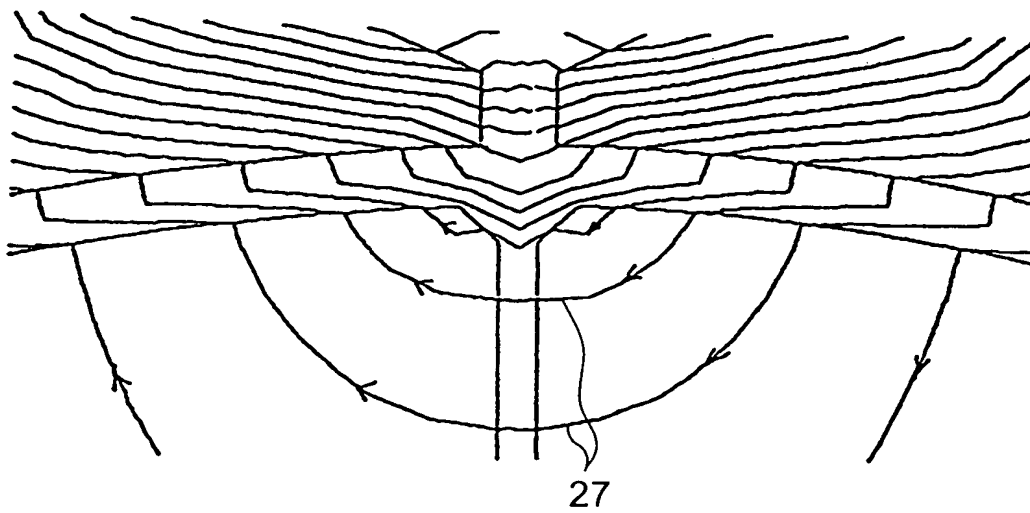
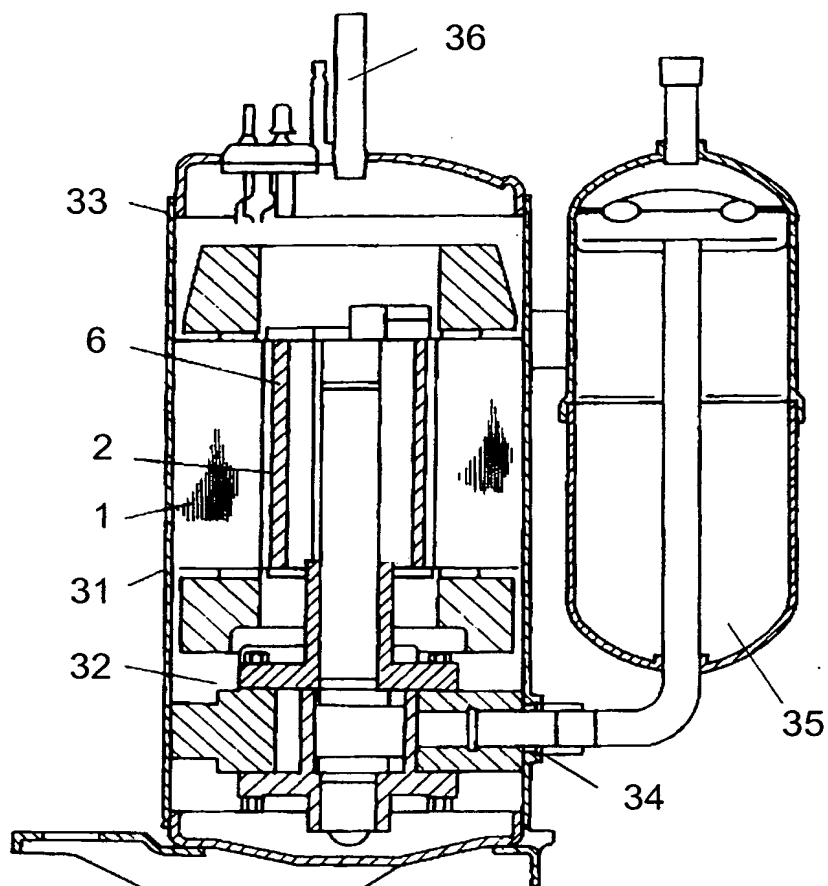




FIG. 21





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